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Using Remote Sensing Satellites to Explore the Electromagnetic Environment and Natural Hazard Disturbances in Space

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Message from the Guest Editors

Dear Colleagues,

This issue aims to take full advantage of current operating electromagnetism and other related remote sensing satellites (e.g., infrared, hyperspectral, GNSS, etc.), to study the electromagnetic environment in space and to explore natural hazard (e.g., earthquakes, volcanic eruptions, tsunamis, space weather events, etc.) monitoring methods and technology.

At present, there are plenty of electromagnetism satellites (e.g., DMSP, NOAA, Swarm, CSES, FORMOSAT, COSMIC, etc.) operating in near-earth space, providing us with the multi-physical values to explore the near-space electromagnetic environment (the occurrence of the electromagnetic waves, the variation features of the plasma parameters and energetic particles, etc.). Based on the knowledge of the electromagnetic environment in space, we can study how to extract the anomaly information or precursors of natural hazards.



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Special Issue



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